

## Meeting Notes

September 21, 2017

Note: We talked about a lot of useful things so I included what we talked about, but we didn't come to many conclusions about deliverables.

### What was discussed:

- Dr. Perry says to work towards stronger goals and deliverables – have strict prioritization
- Quin looked at pricing for Adafruit chips (\$127)
  - Use for testing and playing around with
  - We could 3D Print the parts to do cheaper testing
    - EP103 3D Printer: Talk to Dr. Perry
    - Talk to Melissa about other 3D Printers
    - Jacob owns low key 3D Printer
- How to compare fast vs slow movements?
  - It's all about reaching a movement and holding it for a certain amount of time (1 sec?), rather than just jumping to the movement and considering it ok
  - Measure deviation from desired path and calculate error – we don't need to determine threshold but it's a good thing to keep in mind for the future so it can be implemented
  - Measure normal distance from desired path
  - Talk to therapist and have them do the movements one way right and a lot wrong so we can compare. Compare to their angle device
- Have start position and be looking for that and then target position – Time and Distance/Error could make it be disregarded
- **Talk to** therapists about desired tasks
- First do elevation and horizontal angle – and show where the arm is at, rather than just see random numbers

### TO DO before next meeting: (Tried to Color-Code but this will be easier with new Excel Sheet 😊 )

- Talk with Melissa about 3D Printing parts to replicate the ones we have
  - a. I don't know who to assign, but we can discuss this at next meeting
- **Alex** to set up Asana
- **Colton** to print copies of contract for everyone and edit first page
- **Jacob** to reach out to Dr. Perry with Agenda for next meeting (2:00) and Prioritization/Tasks we obtained from the meeting with him. We need him to approve this.
  - a. **DUE 9/28:** Transcript of client interview and target specs sent to client.

### Agenda for Next Meeting:

Date: September 28, 2017

Time: 2:00 pm

Place: Think Tank Room A

1. Review Agenda
2. Discuss Client Interview – assign someone or all work together to write this
  - a. **DUE 9/28**
3. Discuss breaking into smaller groups and working to create prototype
4. Review Action items and team minutes